

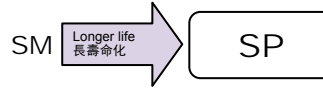
# SP Series

## SNAP-IN TERMINAL TYPE, LONG LIFE

### 導箔型, 長壽命品



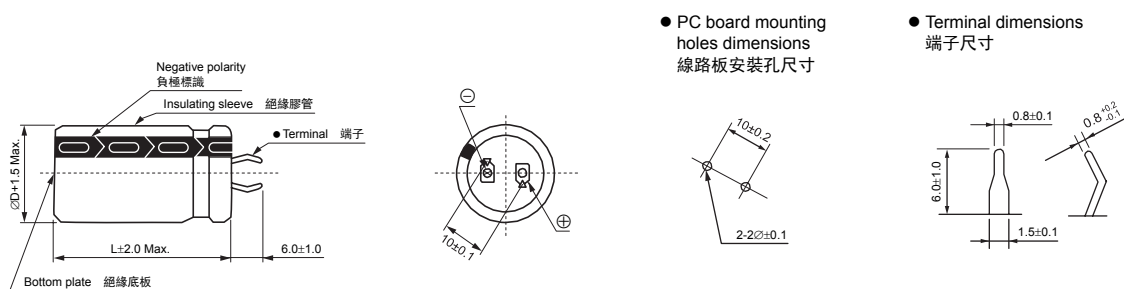
- 3000 hours load life at 85°C  
在 85°C 環境中負荷壽命 3000 小時
- Long life snap-in terminal series  
導箔型長壽命系列
- Comply with the RoHS & REACH  
符合 RoHS 與 REACH



### □ SPECIFICATIONS 特性表

| Items 項目                           | Characteristics 主要特性   |   |
|------------------------------------|--|---|
| Operation Temperature Range 使用溫度範圍 | -40 ~ +85°C  | -25 ~ +85°C                             |
| Voltage Range 額定工作電壓範圍             | 16 ~ 350V  | 400 ~ 450V                              |
| Capacitance Range 靜電容量範圍           | 82 ~ 68000μF   | 56 ~ 560μF                              |
| Capacitance Tolerance 靜電容量允許偏差     | ±20% at 120Hz, 20°C  |   |
| Leakage Current 漏電流                | $I \leq 3\sqrt{CV}$ (after 5 minutes application of rated voltage at 20°C) (在 20°C 環境中施加額定工作電壓 5 分鐘後)<br>I: Leakage current (μA) 漏電流, C: Nominal capacitance (μF) 標稱靜電容量, V: Rated voltage (V) 額定電壓                                    |   |
| Dissipation Factor (tan δ) 損耗角正切   | When nominal capacitance is over 1000μF, tan δ shall be added 0.01 to the listed value with increase of every 1000μF.<br>當標稱靜電容量大於 1000μF, 其標稱靜電容量每增加 1000μF, 損耗角正切增加 0.01。<br>Measurement frequency 測試頻率: 120Hz, Temperature 溫度: 20°C |   |
| Stability at Low Temperature 低溫特性  | Measurement frequency 測試頻率: 120Hz  |   |
|                                    | Rated Voltage (V) 額定工作電壓   | 16 25 35 50 63 80 100 160~250 350~450   |
| Load Life 高溫負荷特性                   | After 3000 hours application of the rated voltage at 85°C, they meet the characteristics listed below.<br>在 85°C 環境中施加額定工作電壓 3000 小時後, 電容器的特性符合下表的要求。  |   |
|                                    | Capacitance Change 靜電容量變化率   | Within ±20% of initial value 初始值的±20%以內 |
| Shelf Life 高溫貯存特性                  | After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified listed below.<br>在 85°C 環境中無負荷放置 1000 小時後, 電容器的特性符合下表的要求。   |   |
|                                    | Capacitance Change 靜電容量變化率   | Within ±20% of initial value 初始值的±20%以內 |
| Marking 標識                         | Printed with white colour on black sleeve (PVC) or printed with white colour on green sleeve (PET).<br>黑色膠管白字印刷 (PVC) 或綠色膠管白字印刷 (PET)。   |   |

### □ DRAWING 外形圖 (Unit: mm)



### □ FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT 紋波電流頻率補償係數

| Frequency 頻率   | 50Hz        | 120Hz | 300Hz | 1KHz | 10KHz~ |      |
|----------------|-------------|-------|-------|------|--------|------|
| Coefficient 係數 | ~ 100μF     | 0.88  | 1.0   | 1.06 | 1.15   | 1.20 |
|                | 160 ~ 250μF | 0.85  | 1.0   | 1.20 | 1.25   | 1.45 |
|                | 315μF ~     | 0.88  | 1.0   | 1.15 | 1.20   | 1.40 |

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5~10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. 鋁電解電容器在疊加紋波電流後會引起發熱, 溫度每上升 5~10°C 壽命會減半。若要保持長壽命性能, 請在使用過程中適當降低紋波電流。

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 注: 以上所提供的設計及特性參數僅供參考, 任何修改不作預先通知。如果在使用上有疑問, 請在採購前與我們聯繫, 以便提供技術上的協助。

CAT.2019/V4

## SP Series

## □ DIMENSIONS &amp; MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

| WV    |     | 16 (1C)         |                 |                 |                 | 25 (1E)         |                 |                 |                 | 35 (1V)                                 |                 |                 |                 |
|-------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|
| μF    | ∅D  | 22              | 25              | 30              | 35              | 25              | 30              | 22              | 35              | 30                                      | 22              | 25              | 35              |
| 4700  | 472 |                 |                 |                 |                 |                 |                 |                 |                 | 22 x 25<br>2.21                         | 25 x 25<br>2.42 |                 |                 |
| 5600  | 562 |                 |                 |                 |                 | 22 x 25<br>2.31 |                 |                 |                 | 22 x 30<br>2.69                         | 25 x 25<br>2.69 |                 |                 |
| 6800  | 682 |                 |                 |                 |                 | 22 x 25<br>2.38 | 25 x 25<br>2.78 |                 |                 | 22 x 35<br>2.70                         | 25 x 25<br>2.67 | 30 x 25<br>2.99 |                 |
| 8200  | 822 | 22 x 25<br>2.56 |                 |                 |                 | 22 x 25<br>2.43 | 25 x 25<br>2.85 |                 |                 | 22 x 35<br>3.09                         | 25 x 30<br>3.12 | 30 x 25<br>3.04 |                 |
| 10000 | 103 | 22 x 25<br>2.60 | 25 x 25<br>2.81 |                 |                 | 22 x 30<br>2.97 | 25 x 25<br>2.93 | 30 x 25<br>3.21 |                 | 22 x 40<br>3.22                         | 25 x 35<br>3.37 | 30 x 25<br>3.36 | 35 x 25<br>3.32 |
| 12000 | 123 | 22 x 25<br>2.88 | 25 x 25<br>2.96 |                 |                 | 22 x 35<br>3.33 | 25 x 30<br>3.26 | 30 x 25<br>3.59 | 35 x 25<br>3.58 | 22 x 45<br>3.71                         | 25 x 40<br>3.79 | 30 x 30<br>3.74 | 35 x 25<br>3.75 |
| 15000 | 153 | 22 x 30<br>3.45 | 25 x 25<br>3.38 | 30 x 25<br>3.73 |                 | 22 x 40<br>3.68 | 25 x 35<br>3.77 | 30 x 25<br>3.60 | 35 x 25<br>3.96 |   | 25 x 45<br>4.55 | 30 x 35<br>4.54 | 35 x 25<br>4.37 |
| 18000 | 183 | 22 x 30<br>3.47 | 25 x 25<br>3.47 |                 |                 | 22 x 45<br>4.36 | 25 x 35<br>4.20 | 30 x 30<br>4.40 | 35 x 25<br>4.34 |   | 25 x 50<br>4.84 | 30 x 40<br>4.87 | 35 x 30<br>5.03 |
| 22000 | 223 | 22 x 35<br>3.84 | 25 x 30<br>3.93 | 30 x 25<br>4.08 | 35 x 25<br>4.15 |                 | 25 x 45<br>4.71 | 30 x 35<br>4.70 | 35 x 25<br>4.60 |   |                 | 30 x 45<br>5.79 | 35 x 55<br>5.71 |
| 27000 | 273 | 22 x 45<br>4.63 | 25 x 40<br>4.72 |                 |                 |                 |                 | 30 x 45<br>5.79 | 35 x 35<br>5.71 |   |                 |                 | 35 x 45<br>6.81 |
| 33000 | 333 | 22 x 50<br>5.20 | 25 x 45<br>5.41 | 30 x 35<br>5.40 | 35 x 25<br>5.19 |                 |                 |                 | 35 x 40<br>6.31 |   |                 |                 |                 |
| 39000 | 393 |                 |                 | 30 x 40<br>6.02 | 35 x 30<br>5.88 |                 |                 |                 | 35 x 45<br>6.92 | → Case size 尺寸<br>→ Ripple current 紋波電流 |                 |                 |                 |
| 47000 | 473 |                 |                 | 30 x 45<br>6.95 | 35 x 35<br>6.85 |                 |                 |                 |                 |   |                 |                 |                 |
| 56000 | 563 |                 |                 |                 | 35 x 40<br>7.39 |                 |                 |                 |                 |   |                 |                 |                 |
| 68000 | 683 |                 |                 |                 | 35 x 45<br>8.06 |                 |                 |                 |                 |   |                 |                 |                 |

| WV    |     | 50 (1H)         |                 |                 |                 | 63 (1J)         |                 |                 |                 | 80 (1K)                                 |                 |                 |                 |
|-------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|
| μF    | ∅D  | 22              | 25              | 30              | 35              | 22              | 25              | 30              | 35              | 22                                      | 25              | 30              | 35              |
| 1200  | 122 |                 |                 |                 |                 |                 |                 |                 |                 | 22 x 25<br>1.62                         |                 |                 |                 |
| 1500  | 152 |                 |                 |                 |                 |                 |                 |                 |                 | 22 x 25<br>1.81                         |                 |                 |                 |
| 1800  | 182 |                 |                 |                 |                 | 22 x 25<br>1.90 |                 |                 |                 | 22 x 30<br>2.14                         | 25 x 25<br>2.14 |                 |                 |
| 2200  | 222 | 22 x 25<br>1.93 |                 |                 |                 | 22 x 30<br>2.35 | 25 x 25<br>2.30 |                 |                 | 22 x 35<br>2.37                         | 25 x 30<br>2.39 | 30 x 25<br>2.48 |                 |
| 2700  | 272 | 22 x 25<br>2.05 |                 |                 |                 | 22 x 35<br>2.50 | 25 x 25<br>2.34 |                 |                 | 22 x 40<br>2.78                         | 25 x 35<br>2.82 | 30 x 25<br>2.74 |                 |
| 3300  | 332 | 22 x 30<br>2.41 | 25 x 25<br>2.38 |                 |                 | 22 x 35<br>2.62 | 25 x 30<br>2.69 | 30 x 25<br>2.78 |                 | 22 x 45<br>3.14                         | 25 x 40<br>3.20 | 30 x 30<br>3.16 | 35 x 25<br>3.24 |
| 3900  | 392 | 22 x 30<br>2.51 | 25 x 25<br>2.46 |                 |                 | 22 x 40<br>2.90 | 25 x 35<br>3.09 | 30 x 30<br>3.09 |                 | 22 x 50<br>3.58                         | 25 x 45<br>3.67 | 30 x 35<br>3.66 | 35 x 25<br>3.52 |
| 4700  | 472 | 22 x 35<br>2.83 | 25 x 30<br>3.03 | 30 x 25<br>3.01 |                 | 22 x 50<br>3.49 | 25 x 40<br>3.37 | 30 x 30<br>3.37 | 35 x 25<br>3.36 |   | 25 x 50<br>4.10 | 30 x 40<br>4.13 | 35 x 30<br>4.03 |
| 5600  | 562 | 22 x 40<br>3.21 | 25 x 35<br>3.37 | 30 x 25<br>3.17 | 35 x 25<br>3.47 |                 | 25 x 45<br>3.77 | 30 x 35<br>3.75 | 35 x 30<br>3.88 |   |                 | 30 x 45<br>4.61 | 35 x 35<br>4.54 |
| 6800  | 682 | 22 x 45<br>3.73 | 25 x 35<br>3.59 | 30 x 30<br>3.56 | 35 x 25<br>3.64 |                 | 25 x 50<br>4.41 | 30 x 40<br>4.41 | 35 x 30<br>4.04 |   |                 | 30 x 50<br>5.18 | 35 x 40<br>5.15 |
| 8200  | 822 |                 | 25 x 40<br>4.10 | 30 x 30<br>4.12 | 35 x 25<br>4.07 |                 |                 |                 |                 |   |                 |                 | 35 x 45<br>5.80 |
| 10000 | 103 |                 | 25 x 50<br>4.91 | 30 x 35<br>4.68 | 35 x 30<br>4.59 |                 |                 | 30 x 50<br>5.49 | 35 x 40<br>5.47 |   |                 |                 | 35 x 50<br>6.69 |
| 12000 | 123 |                 |                 | 30 x 40<br>5.10 | 35 x 35<br>5.30 |                 |                 |                 | 35 x 45<br>5.97 | → Case size 尺寸<br>→ Ripple current 紋波電流 |                 |                 |                 |
| 15000 | 153 |                 |                 | 30 x 50<br>6.28 | 35 x 40<br>6.24 |                 |                 |                 |                 |   |                 |                 |                 |
| 18000 | 183 |                 |                 |                 | 35 x 45<br>7.18 |                 |                 |                 |                 |   |                 |                 |                 |

•Case size ∅D×L(mm), ripple current (A rms) at 85°C, 120Hz •尺寸∅D×L(mm), 紋波電流(A rms)於 85°C, 120Hz

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# SP Series

□ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

| WV   |     | 100 (2A)        |                 |                 |                 | 160 (2C)                                |                 |                 |                 | 200 (2D)        |                 |                 |                 |
|------|-----|-----------------|-----------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| μF   | ∅D  | 22              | 25              | 30              | 35              | 22                                      | 25              | 30              | 35              | 22              | 25              | 30              | 35              |
| 220  | 221 |                 |                 |                 |                 |   |                 |                 |                 | 22 x 25<br>1.15 |                 |                 |                 |
| 270  | 271 |                 |                 |                 |                 | 22 x 25<br>1.27                         |                 |                 |                 | 22 x 25<br>1.30 |                 |                 |                 |
| 330  | 331 |                 |                 |                 |                 | 22 x 25<br>1.40                         |                 |                 |                 | 22 x 25<br>1.40 | 25 x 25<br>1.43 |                 |                 |
| 390  | 391 |                 |                 |                 |                 | 22 x 30<br>1.62                         |                 |                 |                 | 22 x 25<br>1.42 | 25 x 25<br>1.63 |                 |                 |
| 470  | 471 |                 |                 |                 |                 | 22 x 30<br>1.77                         | 25 x 25<br>1.77 |                 |                 | 22 x 30<br>1.68 | 25 x 25<br>1.68 | 30 x 25<br>1.85 |                 |
| 560  | 561 |                 |                 |                 |                 | 22 x 30/35<br>1.92/2.05                 | 25 x 25<br>1.92 | 30 x 25<br>2.02 |                 | 22 x 35<br>1.97 | 25 x 30<br>2.05 | 30 x 25<br>2.05 |                 |
| 680  | 681 |                 |                 |                 |                 | 22 x 35<br>2.12                         | 25 x 30<br>2.22 | 30 x 25<br>2.22 |                 | 22 x 40<br>2.24 | 25 x 30<br>2.13 | 30 x 25<br>2.21 | 35 x 25<br>2.10 |
| 820  | 821 |                 |                 |                 |                 | 22 x 40<br>2.32                         | 25 x 30<br>2.32 | 30 x 25<br>2.31 | 35 x 25<br>2.50 | 22 x 45<br>2.32 | 25 x 35<br>2.23 | 30 x 30<br>2.62 | 35 x 25<br>2.39 |
| 1000 | 102 |                 |                 |                 |                 | 22 x 50<br>2.88                         | 25 x 40<br>2.86 | 30 x 30<br>2.82 | 35 x 25<br>2.79 | 22 x 50<br>2.57 | 25 x 40<br>2.50 | 30 x 30<br>2.47 | 35 x 25<br>2.53 |
| 1200 | 122 | 22 x 30<br>2.12 | 25 x 25<br>2.10 |                 |                 |   | 25 x 45<br>3.27 | 30 x 35<br>3.25 | 35 x 30<br>3.24 |                 | 25 x 45<br>2.89 | 30 x 35<br>2.88 | 35 x 30<br>2.97 |
| 1500 | 152 | 22 x 35<br>2.45 | 25 x 30<br>2.43 | 30 x 25<br>2.46 |                 |   |                 | 30 x 40<br>3.77 | 35 x 35<br>3.75 |                 | 25 x 55<br>3.41 | 30 x 45<br>3.46 | 35 x 35<br>3.42 |
| 1800 | 182 | 22 x 40<br>2.77 | 25 x 35<br>2.77 | 30 x 25<br>2.65 |                 |   |                 | 30 x 45<br>4.10 | 35 x 35<br>4.08 |                 |                 | 30 x 50<br>3.97 | 35 x 40<br>3.95 |
| 2200 | 222 | 22 x 45<br>3.12 | 25 x 40<br>3.20 | 30 x 30<br>3.10 | 35 x 25<br>3.14 |   |                 |                 | 35 x 45<br>4.72 |                 |                 | 30 x 60<br>4.51 | 35 x 45<br>4.35 |
| 2700 | 272 |                 | 25 x 45<br>3.61 | 30 x 35<br>3.60 | 35 x 30<br>3.71 |   |                 |                 | 35 x 55<br>5.53 |                 |                 |                 | 35 x 55<br>4.79 |
| 3300 | 332 |                 | 25 x 50<br>4.06 | 30 x 40<br>4.05 | 35 x 35<br>4.07 |   |                 |                 |                 |                 |                 |                 |                 |
| 3900 | 392 |                 |                 | 30 x 45<br>4.60 | 35 x 35<br>4.50 |   |                 |                 |                 |                 |                 |                 |                 |
| 4700 | 472 |                 |                 | 30 x 50<br>5.13 | 35 x 40<br>5.12 |   |                 |                 |                 |                 |                 |                 |                 |
| 5600 | 562 |                 |                 |                 | 35 x 45<br>5.75 | → Case size 尺寸<br>→ Ripple current 紋波電流 |                 |                 |                 |                 |                 |                 |                 |
| 6800 | 682 |                 |                 |                 | 35 x 50<br>6.01 |   |                 |                 |                 |                 |                 |                 |                 |

| WV   |     | 250 (2E)        |                 |                 |                 | 350 (2V)                                |                 |                 |                 | 400 (2G)        |                 |                 |                 |
|------|-----|-----------------|-----------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| μF   | ∅D  | 22              | 25              | 30              | 35              | 22                                      | 25              | 30              | 35              | 22              | 25              | 30              | 35              |
| 68   | 680 |                 |                 |                 |                 |   |                 |                 |                 | 22 x 25<br>0.72 |                 |                 |                 |
| 82   | 820 |                 |                 |                 |                 | 22 x 25<br>0.70                         |                 |                 |                 | 22 x 25<br>0.80 |                 |                 |                 |
| 100  | 101 |                 |                 |                 |                 | 22 x 25<br>0.77                         | 25 x 20<br>0.73 |                 |                 | 22 x 25<br>0.81 | 25 x 20<br>0.79 |                 |                 |
| 120  | 121 |                 |                 |                 |                 | 22 x 25<br>0.99                         | 25 x 20<br>0.80 |                 |                 | 22 x 30<br>1.04 | 25 x 25<br>1.06 |                 |                 |
| 150  | 151 |                 |                 |                 |                 |   | 25 x 25<br>1.00 | 30 x 25<br>1.04 |                 | 22 x 30<br>1.06 | 25 x 25<br>1.06 | 30 x 25<br>1.24 |                 |
| 180  | 181 | 22 x 25<br>1.01 |                 |                 |                 | 22 x 35<br>1.15                         | 25 x 30<br>1.20 | 30 x 25<br>1.37 |                 | 22 x 35<br>1.16 | 25 x 30<br>1.23 | 30 x 25<br>1.45 | 35 x 25<br>1.54 |
| 220  | 221 | 22 x 25<br>1.18 | 25 x 25<br>1.24 |                 |                 | 22 x 40<br>1.30                         | 25 x 30<br>1.28 | 30 x 25<br>1.37 |                 | 22 x 40<br>1.39 | 25 x 30<br>1.33 | 30 x 25<br>1.38 | 35 x 25<br>1.44 |
| 270  | 271 | 22 x 25<br>1.21 | 25 x 25<br>1.30 |                 |                 | 22 x 45<br>1.42                         | 25 x 35<br>1.40 | 30 x 30<br>1.41 | 35 x 25<br>1.42 | 22 x 45<br>1.54 | 25 x 35<br>1.48 | 30 x 30<br>1.56 | 35 x 25<br>1.53 |
| 330  | 331 | 22 x 35<br>1.35 | 25 x 30<br>1.38 | 30 x 25<br>1.40 |                 | 22 x 50<br>1.69                         | 25 x 40<br>1.64 | 30 x 30<br>1.64 | 35 x 25<br>1.77 | 22 x 50<br>1.70 | 25 x 45<br>1.76 | 30 x 35<br>1.76 | 35 x 30<br>1.68 |
| 390  | 391 | 22 x 40<br>1.57 | 25 x 30<br>1.57 | 30 x 25<br>1.58 |                 |   | 25 x 45<br>1.84 | 30 x 35<br>1.88 | 35 x 30<br>1.90 |                 | 25 x 45<br>1.86 | 30 x 40<br>1.89 | 35 x 35<br>1.97 |
| 470  | 471 | 22 x 40<br>1.72 | 25 x 35<br>1.73 | 30 x 30<br>1.80 |                 |   |                 | 30 x 40<br>1.91 | 35 x 30<br>1.95 |                 |                 | 30 x 45<br>2.18 | 35 x 40<br>2.12 |
| 560  | 561 | 22 x 45<br>2.02 | 25 x 40<br>2.04 | 30 x 35<br>2.01 | 35 x 30<br>2.11 |   |                 | 30 x 45<br>2.15 | 35 x 40<br>2.20 |                 |                 |                 | 35 x 45<br>2.20 |
| 680  | 681 | 22 x 50<br>2.48 | 25 x 45<br>2.54 | 30 x 30<br>2.38 | 35 x 30<br>2.54 |   |                 |                 |                 |                 |                 |                 |                 |
| 820  | 821 |                 | 25 x 50<br>2.92 | 30 x 45<br>2.78 | 35 x 40<br>2.87 |   |                 |                 |                 |                 |                 |                 |                 |
| 1000 | 102 |                 | 25 x 55<br>3.06 | 30 x 50<br>3.11 | 35 x 45<br>3.06 |   |                 |                 |                 |                 |                 |                 |                 |
| 1200 | 122 |                 |                 |                 | 35 x 50<br>3.20 | → Case size 尺寸<br>→ Ripple current 紋波電流 |                 |                 |                 |                 |                 |                 |                 |
| 1500 | 152 |                 |                 | 30 x 60<br>4.06 | 35 x 55<br>3.92 |   |                 |                 |                 |                 |                 |                 |                 |

•Case size ∅DxL(mm), ripple current (A rms) at 85°C, 120Hz •尺寸∅DxL(mm), 紋波電流(A rms)於 85°C, 120Hz

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## SP Series

## □ DIMENSIONS &amp; MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

| WV<br>μF |     | 450 (2W)        |                 |                 |                 |
|----------|-----|-----------------|-----------------|-----------------|-----------------|
|          |     | 22              | 25              | 30              | 35              |
| 56       | 560 | 22 x 25<br>0.68 |                 |                 |                 |
| 68       | 680 | 22 x 20<br>0.58 |                 |                 |                 |
| 82       | 820 | 22 x 25<br>0.69 | 25 x 25<br>0.75 |                 |                 |
| 100      | 101 | 22 x 25<br>0.77 | 25 x 25<br>0.83 |                 |                 |
| 120      | 121 | 22 x 35<br>0.97 | 25 x 25<br>0.91 | 30 x 25<br>1.10 |                 |
| 150      | 151 | 22 x 35<br>1.20 | 25 x 30<br>1.16 | 30 x 25<br>1.16 |                 |
| 180      | 181 | 22 x 40<br>1.21 | 25 x 35<br>1.31 | 30 x 30<br>1.19 | 35 x 25<br>1.35 |
| 220      | 221 | 22 x 50<br>1.48 | 25 x 40<br>1.47 | 30 x 35<br>1.42 | 35 x 30<br>1.45 |
| 270      | 270 |                 | 25 x 45<br>1.59 | 30 x 35<br>1.69 | 35 x 30<br>1.61 |
| 330      | 331 |                 | 25 x 50<br>1.76 | 30 x 40<br>1.93 | 35 x 35<br>1.88 |
| 390      | 391 |                 |                 | 30 x 45<br>2.00 | 35 x 40<br>1.95 |
| 470      | 471 |                 |                 | 30 x 50<br>2.15 | 35 x 45<br>2.10 |
| 560      | 561 |                 |                 |                 | 35 x 50<br>2.26 |

→ Case size  $\varnothing D \times L$  (mm)  
→ Ripple current (A rms) at 85°C, 120Hz

→ 尺寸 $\varnothing D \times L$  (mm)  
→ 紋波電流(A rms)於 85°C, 120Hz

- Please refer to page 20 "Packaging Specifications" for the minimum package quantity. 最小包裝數量請查閱第 20 頁“包裝標準”。
- Please refer to page 16 for the Part Number System. 產品編碼規則請查閱第 16 頁。

**Note:** All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

注：以上所提供的設計及特性參數僅供參考，任何修改不作預先通知。如果在使用上有疑問，請在採購前與我們聯繫，以便提供技術上的協助。

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